

DATE 2215Z 03 DEC 64

SECRET

1	9
2	10
3	11
4	12
5	13
6	14
7	15
8	16

TO : DIRECTOR

FROM :

ACTION:

INFO :

ROUTING	INT
1	
2	
3	
4	
5	
6	
7	
8	
9	

PRIORITY

TOR: 2302Z 03 DEC 64

25X1A
25X1A
25X1A
IN 60767

TO PRIORITY

INFO

PRIORITY

DIVE

KEDLOCK

1. FLIGHT NO. 31, ARTICLE 1002, FLOWN 2 DEC 1964.

2.

3. DURATION: 1:20 HRS, TOTAL TIME: 40:05 HRS.

4. MAX SPEED REACHED: 0.95 MN. MAX. ALTITUDE: 35,400 FT.

5. TIME ABOVE 2.0 M: 0:00 HRS THIS FLT. TOTAL: 2:19 HRS.

6. T.O. WEIGHT: 115,727 LBS. C.G. 18.7 PERCENT.

7. OBJECTIVES: EXTERNAL MISSILE CAPTIVE FLIGHT, G-11.

8. ENGINE START, GENERATOR OPERATION, INS ALIGNMENT, LIQUID COOLING PACKAGE OPERATION, AND FIRE CONTROL SYSTEM TURN ON WERE SATISFACTORY.

9. THREE PASSES WERE COMPLETED USING THE [] FOR 25X1 VECTURING. THE B-57, AUGMENTED WITH DOPPLER AND NOISE AGUMENTATION, WAS AT 0.65 M AT 10,000 FEET. THE YF-12A WAS AT 0.9 M AT 35,000 FEET.

10. ON PASS NO. 1 THE MISSILE WAS ON AIRCRAFT POWER. VELOCITY AT

USAF review(s) completed.

SECRET

GROUP 1
EXCLUDED FROM AUTO-
MATIC DOWNGRADING
AND DECLASSIFICATION

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S E C R E T

25X1A

[REDACTED] (IN 60767)

PAGE TWO

GUIDANCE SLAVING WERE SATISFACTORY. THE MISSILE TRACKED THE DOPPLER AGUMENTATION.

11. ON PASS NO. 2 AND NO. 3 NO FIRING SIGNAL OR LAUNCH TONE WERE GENERATED. THE MISSILE REMAINED ON AIRCRAFT POWER. DURING EACH PASS THE MISSILE BROKE LOCK-ON BUT REQQUIRED THE TARGET UPON RESLAVING. POSTFLIGHT INVESTIGATION REVEALED THAT A SWITCH ON THE MISSILE TEST PANEL IN THE FCO COCKPIT WAS LEFT IN THE WRONG POSITION PREVENTING MISSILE TRANSFER TO INTERNAL POWER.

12. A LOW TEMPERATURE WAS INDICATED FOR THE MISSILE GLYCOL COOLANT THE HEATER CONTROL WAS SWITCHED FROM AUTOMATIC TO MANUAL. JUST PRIOR TO LANDING AN INDICATION OF INADEQUATE COOLANT FLOW WAS REPORTED. THE HEATER AND COOLING UNIT WERE TURNED OFF. A DEFECTIVE COOLANT .PUMP MOTOR WAS DISCOVERED DURING POSTFLIGHT.

13. MISSILE TELEMETRY, MISSILE BEACON, AND AIRCRAFT BEACON PERFORMANCE WERE SATISFACTORY. THE FCO REPORTED THAT THE SIGNAL STRENGTH FROM THE DOPPLER AUGMENTATION APPEARED LOW.

14. INS TERMAINAL ERROR AFTER 1:44 IN THE NAVIGATION MODE WAS 1.6 NAUTICAL MILES.

END OF MESSAGE

S E C R E T